

ENTERED



OIPE

RAW SEQUENCE LISTING

1 <110> APPLICANT: Duvick, Johnathan P.

DATE: 08/05/2003 TIME: 10:46:23

PATENT APPLICATION: US/09/771,045B

```
2
              Gilliam, Jacob T.
      3
              Maddox, Joyce R.
              Rao, Aragula Gururaj
      4
      5
              Crasta, Oswald R.
              Folkerts, Otto
      7 <120> TITLE OF INVENTION: Amino Polyol Aamine Oxidase Polynucleotides and Related
Polypeptides and
              Methods of Use
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      9 <130> FILE REFERENCE: 1134R
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,045B
     11 <141> CURRENT FILING DATE: 2003-05-16
     12 <150> PRIOR APPLICATION NUMBER: US 60/092,936
     13 <151> PRIOR FILING DATE: 1998-07-25
     14 <150> PRIOR APPLICATION NUMBER: US 60/135,391
     15 <151> PRIOR FILING DATE: 1999-05-21
     16 <150> PRIOR APPLICATION NUMBER: US 09/352,159
     17 <151> PRIOR FILING DATE: 1999-07-12
     18 <150> PRIOR APPLICATION NUMBER: US 09/352,168
     19 <151> PRIOR FILING DATE: 1999-07-12
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DATE: 08/05/2003

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,045B TIME: 10:46:23

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spini		THER INFORMATION. Designed offgonderected for a first state of	· •													
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/771,045B DATE: 08/05/2003 TIME: 10:46:23

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102	Glu	Ğlu	His	Ser	Leu	Gln	Asp	Leu	Lys	Ala	Ser	Pro	Gln	Ala	Lys	Arg	
103	0_0	130		-			135		_			140					
104	ctc	gac	aαt	ata	aαc	ttc	aca	cac	tac	tat	gag	aag	gaa	cta	aac	ttg	480
105	T.611	Asp	Ser	Val	Ser	Phe	Ala	His	Tvr	Cvs	Ğlu	Lys	Ğlu	Leu	Asn	Leu	
	145	ASP	501	· u ·	001	150			- 1	- 1	155	-				160	
106		gct	~++	ctc	aac		aca	aac	cad	atc		cac	act	cta	ctc	aat	528
107	Dmo	Ala	ycc Wal	Tou	614	Val	Δla	Agn	Gln	Tle	Thr	Ara	Ala	Leu	Leu	Ğĺv	
108	PIO	Ala	vaı	пеп	165	val	пта	. 1011	0111	170	1111				175		
109		gaa	~~~	~~~		2 ± C	200	a t o	ctt		ctc	acc	gac	tac	atc	aaq	576
110	gra	Glu	gcc	Cac	gag	Tla	cor	Mo+	Tou	Dho	Len	Thr	Asp	Tur	Tle	Lvs	
111	vai	GIU	Ата		GIU	116	Ser	rie c	185	THE	пса	1111	nop	190		-1-	
112		gcc		180		- ~+	t	a++		+ 00	asc.	220	222		aac	aaa	624
113	agt	gcc Ala	acc	ggt	CLC	agt	aat 7an	TIA	Dho	cor	7 cn	Tuc	Luc	Asn	Glv	61 v	~
114	Ser	Ala		GTÀ	Leu	ser	ASII	200	rne	ser	Азр	цуз	205	изр	OLY	Q L y	
115			195		4				n + ~	~~~	+ 00	a++		cat	acc	ato	672
116	cag	tat	atg	cga	tgc	aaa	aCa	ggt	Mot	Cln	cor	Tlo	Circ	Hie	Δla	Met	• • •
117	GIn	Tyr	Met	Arg	Cys	гуѕ		СТУ	Met	GIII	Ser	220	Cys	1113	πια	1100	
118		210					215			~~~	a+ a		200	ccc	atc	act	720
119	tca	aag	gaa	ctt	gtt	cca	ggc	ca	gra	Cac	Tou	7 an	Thr	Dro	Val	Δla	,20
120		Lys	Glu	Leu	Val		GTA	Ser	vaı	HIS		ASII	TIIT	FIO	vai	240	
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122	gaa	att	gag	cag	tcg	gca	tcc	ggc	tgt	aca	gta	cga	Com	712	cor	Clu	, ,
123	Glu	Ile	Glu	Gln		Ala	Ser	GIŸ	Cys		vaı	Arg	ser	Ата	255	GTA	
124					245					250		44.	~~~			++~	816
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126	Ala	Val	Phe		Ser	Lys	Lys	va⊥		vaı	ser	Leu	PIO	270	1111	цеи	
127				260					265				~~~		000	~~~	864
128	tat	ccc	acc	ttg	aca	ttt	tca	cca	cct	CTT	CCC	gcc	gag	aay	Caa	yca 715	004
129	Tyr	Pro		Leu	Thr	Phe	Ser		Pro	ьeu	Pro	Ala	285	ьуѕ	GIII	Ala	
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132	Leu	Ala	Glu	Asn	Ser	Ile		GLy	Tyr	Tyr	Ser	гÀг	ire	vai	Pne	val	
133		290					295			·		300			-4-	~~~	960
134	tgg	gac	aag	ccg	tgg	tgg	cgc	gaa	caa	ggc	ttc	tcg	ggc	gec	CLC	Caa	900
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RAW SEQUENCE LISTING DATE: 08/05/2003 PATENT APPLICATION: US/09/771,045B TIME: 10:46:23

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174	Glu	Ата		Asp	Arg	Val	Gly	_	Lys	Thr	ьeu	Ser		GIn	Ser	GIY	
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179		C1	T 011	C1 ~	7\ ~~~	70	Πh ×	C1	7 0 2	Com		шіс	Cln	ת 1 ת	Cln		
180 181	GTÀ	GIU	ьeu	GIII	85	1111	Thr	GTA	ASII	90	тте	птѕ	GIII	Ald	95	ASP	
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184	Val	Nla	Sor		LOU	712	Glu	Lou		Dro	Wal	Trn	Sor		Ton	Tlo	
185	Vai	Ата	115	Ala	ьęи	на	GIU	120	neu	110	vaı	тър	125	GIII	пеп	116	
186	Clu	Clu		Sor	Tou	Cln	Asp		Tuc	ת 1 ת	Sor	Dro		ЛΊэ	Tvc	Λrα	
187	GIU	130	птэ	ser	шeu		135		пуз	Ата		140		ліа	цуз	Arg	
188	Τ 011		Sor	Wa 1	Sor				Тиг	Cvc				Lou	Λen	Lou	
189	145	дор	Ser	val	ser	150	Ala	1113	тут	Cys	155	цуз	Giu	ьец	ASII	160	
190		717	\(1 \)	T 011	C1.,		7.1.	7) cm	Cln	Tlo		7 2.0	71-	T 011	T 011		
191	FIO	AIA	val	ьеи	165	val	Ala	ASII	GIII	170	1111	ALG	Ата	пеп	175	Gry	
192	Wa I	Clu	71.	шіс		T10	Cor	Mo+	T 011		Tou	Ψhr	7) cm	Фил		Lvc	
193	val	GIU	ита	180	GIU	тте	Ser	met	185	rne	ьeu	TIIT	чэр	191 190	TIG	пур	
193	802	7 l a	ሞኮ∽		Lou	S~~	λαν	Tla		802	700	Tvc	Tuc		Gl v	Gly	
195	IJ∺ſ	пта	TIII	GT A	ьeu	Ser	Asn	TTG	r 11G	Set	usb	பர்வ	பித்	vsh	G ⊤ Ā	GTÀ	
	~~.			-				200					205				
196			195			Lve	Thr	200 Gly	Me+	Gln	Ser	Tla	205	Иie	Δls	Mot	

RAW SEQUENCE LISTING DATE: 08/05/2003 PATENT APPLICATION: US/09/771,045B TIME: 10:46:23

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/771,045B

DATE: 08/05/2003
TIME: 10:46:24

Input Set : N:\EBONY'S\US09771045B.raw.txt
Output Set: N:\CRF4\08052003\I771045B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 346
Seq#:39; N Pos. 649
Seq#:40; Xaa Pos. 216

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7
Seq#:3; Line(s) 55
Seq#:12; Line(s) 639
Seq#:13; Line(s) 649
Seq#:20; Line(s) 1136
Seq#:21; Line(s) 1253
Seq#:26; Line(s) 1904
Seq#:27; Line(s) 2123
Seq#:30; Line(s) 2704
Seq#:31; Line(s) 2965
Seq#:32; Line(s) 3142
Seq#:33; Line(s) 3269

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/771,045B

DATE: 08/05/2003 TIME: 10:46:24

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L:10 M:270 C: Current Application Number differs, Wrong Format
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:76 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:0
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L:3643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:600 L:3702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:208
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STATISTICS SUMMARY

PATENT APPLICATION: US/09/771,045B

DATE: 08/05/2003 TIME: 10:46:24

Input Set : N:\EBONY'S\US09771045B.raw.txt
Output Set: N:\CRF4\08052003\I771045B.raw

Application Serial Number: US/09/771,045B

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 05-16-2003

Art Unit: OIPE

Software Application: PatentIN3.1

Total Number of Sequences: 54

Total Nucleotides: 42754 Total Amino Acids: 14748

Number of Errors: 0 Number of Warnings: 32 Number of Corrections: 1

MESSAGE SUMMARY

258 W: 29 (Mandatory Feature missing)

270 C: 1 (Current Application Number differs)

341 W: 3 ((46) "n" or "Xaa" used)